

SHIP SYSTEM Hull Structure	SUBSYSTEM Bulkheads and Decks	MRC CODE R-	
SYSTEM Hull Deck	EQUIPMENT Bulkheads, Decks and Trunks	RATES GS-11/12	M/H 48.0
MAINTENANCE REQUIREMENT DESCRIPTION 1. Conduct TARGET assessment procedure for structural bulkheads and decks. (12011) 2. Conduct TARGET assessment procedure for trunks and enclosures. (12322) 3. Conduct TARGET assessment procedure for flight and helicopter decks. (13011)		TOTAL M/H 48.0 ELAPSED TIME	
SAFETY PRECAUTIONS 1. Forces afloat comply with NAVOSH Program Manual for Forces Afloat, OPNAVINST 5100.19 series.			
TOOLS, PARTS, MATERIALS, TEST EQUIPMENT MATERIALS 1. [1609] Magnifier 2. [3187] Ruler, plastic, 6" 3. [1350] Tape, measuring, 3/8" steel, 100 FT, hand crank 4. [2271] Flashlight, Type 3, style 1, explosive proof TOOLS 1. [0611] Hammer, hand, Scaling, 1 LB 2. [1157] Scraper, bearing, Flat, end cutting, carbide tip MISCELLANEOUS 1. Ships drawings (as required) NOTE: Numbers in brackets can be referenced to Standard PMS Materials Identification Guide (SPMIG) for stock number identification.			
PROCEDURE NOTE 1: Accomplish assessment before availability, after availability, and before deployment. NOTE 2: Number of personnel and man-hours assigned is average for DD-class ships and may require adjustment for larger class of ships. Preliminary a. Obtain a copy of ship's Compartment and Access plan to assist assessment.		PAGE 1 OF 4	
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LOCATION		DATE August 1997	AAA
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PROCEDURE (Contd)

- b. Obtain a copy of ship's Repair Inspection Requirements (RIR) sheets for reference during this assessment.
- c. Review JSNs from the ship's CSMP for discrepancies to be assessed under these procedures.

1. **Conduct TARGET Assessment Procedure for Structural Bulkheads and Decks. (12011)**

- a. Conduct a visual and hammer assessment of interior structural bulkheads and decks aboard ship. Items to be assessed but not limited to are as follows:

NOTE 3: When performing assessment, pay particular attention to the areas where watertight integrity is concerned. Also check the insulated bulkhead area where insulation meets deck, and is protected by a kickplate, for hidden moisture and corrosion. Pay particular attention to wet spaces, especially wet bilges, for blistered paint indicative of corrosion and deterioration. Wet spaces include but are not limited to: engine rooms, auxiliary machinery rooms, pump room, shaft alleys, steering gear room, and air conditioning machinery rooms. A chipping hammer is useful in evaluating potential areas of deterioration.

- (1) Hairline cracks may appear in plating or welded seams due to metal fatigue or inferior welding. Particular attention should be given to critical areas where watertight integrity is concerned.
- (2) Visually assess structural longitudinal and transverse bulkheads in all areas including the perimeter bulkheads of engineering spaces for cracks, paint blisters which may indicate corrosion, damage, or deterioration. Pay particular attention to perimeter bulkheads in wet spaces, especially when located in wet bilges, for blistered paint indicative of corrosion and deterioration.
- (3) Visually assess platform, flat plating and associated stiffening, butts, seams, and patches for cracks, damage, and deterioration, especially when located in wet spaces.
- (4) Visually assess deck plating and associated stiffening, butts, seams, patches, and rivet areas for cracks, damage, and deterioration, especially when located in wet spaces. Assess deck plating and associated stiffening on the area of gun mount for cracks and distortion.
- (5) Visually Assess painted surfaces for blisters and apparent increase in paint film thickness which may indicate hidden corrosion.

2. **Conduct TARGET Assessment Procedure for Trunks and Enclosures. (12322)**

- a. Conduct a visual and hammer assessment of interior and exterior areas of all trunks aboard ship. Examples of items to be assessed but no limited to are:
 - (1) Ladders and associated hardware.
 - (2) Safety nets.
 - (3) Bulkheads and decks.
 - (4) Paint condition on all bulkheads and decks.
 - (5) Broken or missing pipe hangers and wire racks.

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PROCEDURE (Contd)

- b. When performing assessment of trunks, items to look for but no limited to are:
- (1) Material condition of ladder, fasteners, clips, and brackets. Assess for:
 - (a) Deterioration.
 - (b) Missing, odd sized bolts, nuts, washers, and clips.
 - (2) Material condition of stiffeners. Assess for:
 - (a) Deterioration, fractures, distortion, buckling, and cracked welds.
 - (b) Brackets, chocks and collar plates.
 - (c) Drain holes.
 - (d) Butt alignment.
 - (e) Obvious liquid traps, especially in horizontal stiffening.
 - (3) Material condition of bulkheads and decks. Assess for:
 - (a) Buckling and cracked welds.
 - (b) Holes and pitting.
 - (c) Rust, scale, and peeling paint.
 - (4) Assess rivets and buck bolts for deterioration, loose, missing, cracked components and signs of leakage.
 - (5) Assess paint for blisters, peeling paint and apparent increase in paint film thickness which may indicate hidden corrosion.

3. Conduct TARGET Assessment Procedure for Flight and Helicopter Decks. (13011)

- a. Conduct a visual and hammer assessment of interior and exterior areas of flight and helicopter decks aboard ship. Examples of items to be assessed but not limited to are:
- (1) Deck plating.
 - (2) Longitudinal and transverse beams.
 - (3) Aircraft securing fittings (tie downs).
 - (4) Butts, seams and riveted areas.
- b. When performing assessment of decks, items to look for but not limited to are:
- (1) Material condition of stiffeners. Assess for:
 - (a) Deterioration, fractures, distortion, buckling, and cracked welds.
 - (b) Brackets, chocks and collar plates.
 - (c) Drain holes.
 - (d) Butt alignment.
 - (e) Obvious liquid traps, especially in horizontal stiffening.
 - (2) Material condition of bulkheads and decks. Assess for:
 - (a) Buckling and cracked welds.
 - (b) Holes and pitting.
 - (c) Rust, scale, and peeling paint.
 - (3) Assess rivets and buck bolts for deterioration, and loose, missing, or damaged components.
 - (4) Assess paint and non-skid condition for blisters, peeling, and apparent increase in paint film thickness which may indicate hidden corrosion.

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PROCEDURE (Contd)

- (5) Aircraft securing fittings (tie-downs). Assess for:
 - (a) Deterioration, fractures, distortion, buckling, and cracked welds.
 - (b) Loose or missing bolting hardware.

4. Record all discrepancies identified on applicable TARGET discrepancy reporting forms (2-K or Material Assessment Form).

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